



Florida Community College at  
Jacksonville



Associate in Science in Environmental Science

STUDENT DATA:

NAME: ROADMAP'S DEGREE

SSN: 000-00-0000

Credit Required	Potential Credit
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English Composition I (ENC 1101) [EN024A]

3.00

(This course embodies the fundamentals of effective expression with emphasis on the various forms of expository writing, logical and imaginative thinking, and reading for understanding. The course provides instruction in sentence structure, diction, organization of short essays, correct usage of standard American English and an introduction to documentation skills.

FCCJ accepts the CLEP General Examination with Essay with a score at or above 50.)

{DANTES Code = 11.07.00}

English Composition II: Writing About Non-Fiction Prose (ENC 1102)

3.00

(As a continuation of English Composition I, this course focuses on the study of non-fiction prose, to develop students proficiency in analyzing and evaluating texts and in planning, writing and documenting researched papers. This course is required for completion of the degree.)

{DANTES Code = 11.07.00}

Introductory Sociology (SYG 2000) [SO001A]

3.00

(This course introduces students to sociology, the scientific analysis of human behavior in groups and societies. The course focuses on the impact of culture and societies on human behavior and personality development, describes and analyzes the structure of societies, including roles, statuses, groups, organizations, stratification and social institutions like family, medicine, religion, education, and government. Finally, students are introduced to some of the problems faced by societies, such as crime and violence, racism, sexism, and ageism. Credit from college level testing may apply here.)

{DANTES Code = 20.10.00}

College Algebra (MAC 1105) or higher

3.00

(Select from a list of several courses higher than College Algebra. Visit [www.fccj.edu/prospective/programs/index.html](http://www.fccj.edu/prospective/programs/index.html) for a description of available courses. This requirement may be filled with college level testing credit.)

{DANTES Code = 14.01.00}

<b>Humanities The Foundations (HUM 2211)</b>	<b>3.00</b>
(This course consists of the study of life and creative expressions from their origins in early cultures of the Mediterranean regions through medieval Europe as surveyed through the visual arts, music, literature, philosophy and social history. The course examines the interaction of cultural experiences that developed and were passed on to later peoples. This course provides a basic foundation for study of all humanities courses and includes reading and writing competencies. This requirement may be filled with college level testing credit.) {DANTES Code = 08.06.00}	
<b>College Trigonometry (MAC 1114)</b>	<b>3.00</b>
(The major topics in this course are circular functions, solving triangles, trigonometric identities and functions, inverse relations and trigonometric equations, complex numbers, polar coordinates and vectors. This requirement may be filled with college level testing credit.) {DANTES Code = 14.12.00}	
<b>Introduction to General Chemistry (CHM 1025C)</b>	<b>4.00</b>
(This course is an introduction to the concepts of inorganic chemistry including structures of matter, atomic theory, nomenclature, bonding, gases, solutions, equilibrium, and acids and bases.) {DANTES Code = 16.05.00}	
<b>Environmental Compliance (EVR 1030)</b>	<b>3.00</b>
(This course will focus on how environmental compliance is achieved in Northeast Florida via federal, state and local programs. Topics will include environmental regulations, policies, procedures and enforcement with emphasis placed on developing a holistic approach to the environment through field, office, lab, and legal procedures. In addition, students will learn to develop and implement a Hazard Communication Program for employees; to identify, label and placard hazards; to complete material safety data sheets; and to develop, implement and evaluate an effective hazard communication training program.) {DANTES Code = 12.05.00}	
<b>Environmental Sampling Procedures (EVR 1190)</b>	<b>3.00</b>
(This course emphasizes the theory and practical aspects of environmental sampling. Students will be taught the basic principles of properly collecting, analyzing, and interpreting the results of quality air, aqueous, and solid environmental samples in a safe and efficient manner. Students will gain hands-on experience in the following areas: meter calibration and maintenance, equipment decontamination, field survey techniques, and sample collection.)	
<b>Hazardous Materials Regulations I (EVR 1640)</b>	<b>3.00</b>
(This course offers a historical overview of occupational and environmental health issues. Students will study past and present legislation with an emphasis on the interpretation of the Department of Labor's Occupational Safety and Health Act (OSHA).)	

<b>Occupational Safety (ETI 1700)</b>	<b>3.00</b>
(This course imparts the knowledge essential to safe practices in industry. Included in the course are an examination of current industrial safety management methods and the major provisions of the Occupational Safety and Health Act.) {DANTES Code = 18.19.08 or 09.14.05}	
<b>Principles of Biology I (BSC 2010C)</b>	<b>4.00</b>
(This course, an introduction to the principles of biology, includes studies of cellular organization, genetics and evolution. This course fulfills the General Education Requirements and the laboratory requirement needed by many students who plan to transfer to a four-year institution. College credit by examination may apply.) {DANTES Code = 16.03.00}	
<b>Principles of Biology II (BSC 2011C)</b>	<b>4.00</b>
(This course, a continuation of Principles of Biology I and recommended for science students transferring to four-year institutions, studies the systematics of life forms and a required laboratory experience to reinforce subject matter. College credit by examination may apply.) {DANTES Code = 16.03.00}	
<b>General Chemistry and Qualitative Analysis I (CHM 2045C)</b>	<b>4.00</b>
(This course, designed to introduce students to modern chemical concepts, includes modern atomic structure and periodicity, chemical bonding, states of matter, gas laws and solutions. The laboratory work will be quantitative in nature, stressing accurate laboratory techniques. This course meets the first year college requirements for those majoring in science, engineering, pre-medicine or pharmacy. College credit by examination may apply.) {DANTES Code = 16.05.00}	
<b>Pre-Calculus Algebra (MAC 1140)</b>	<b>4.00</b>
(The major topics included in this course are linear equations and inequalities, quadratic equations and inequalities, relations, functions and graphs, exponential and logarithmic functions, systems of equations and inequalities, higher degree polynomial equations, matrices and determinants, applications, sequences, series and the binomial theorem, and mathematical proof. A review of algebraic techniques and operations as well as a review of exponents, radicals, complex numbers and absolute value is also included in this course. College credit by examination may apply.) {DANTES Code = 14.01.05}	
<b>General Physics I (PHY 2053C)</b>	<b>4.00</b>
(The course, designed for those students who are majoring in pre-med, physical therapy, pre-optometry, pre-dental, pre-veterinary, biological sciences, technology and geology, stresses problem-solving abilities. Subject matter includes mechanics, heat and thermodynamics. College credit by examination may apply.) {DANTES Code = 16.11.00}	

**Hazardous Materials Health Effects (EVR 2805)****3.00**

(This course surveys the research done in determining the systematic health effects of exposures to chemicals. Topics covered include: the determination of risk factors, routes of entry, control measures, and acute and chronic effects. Emphasis is placed on toxicological terminology and how the products affect body systems.)

**Professional Electives****7.00**

(Select seven (7) credits from the following list. Visit [www.fccj.edu/prospective/programs/index.html](http://www.fccj.edu/prospective/programs/index.html) for a description of the following courses. Credit from military experience may apply here.

General Chemistry & Qualitative Analysis II (CHM2046C)      Technical  
Report Writing (ENC2210)      This requirement may be filled with college  
level testing credit.  
Hazardous Materials & the Environment (EVR1015)      Hazardous  
Materials Emergency Response I (EVR1633)      Hazardous  
Communication Standard (EVR1635)      Hazardous Materials Risk  
Analysis (EVR2630)      Instrumentation Monitoring System &  
Analysis (EVR2890)      Calculus with Analytic Geometry I (MAC2311)  
General Physics II (PHY2054C)

**Excess or Duplicate Credit**

**TOTAL** ..... **64.00** **0.00**

Thank you for requesting support from the U.S. Coast Guard Institute (CGI). Whereas we serve as an activity in support of your unit Educational Services Officer (ESO), you are encouraged to seek assistance from your local ESO in your academic endeavors. The following information is provided to help you understand what is presented in this degree plan:

This document is an UNOFFICIAL Degree Plan to provide you with a preliminary assessment of how your prior learning experiences might fit into the specified degree program for this academic institution. If you choose to pursue this degree option, you must present it to a college representative, who will review it for the following:

- o Accurate representation of the college's degree program requirements, including course numbers and titles, credit hours for each course, lower- and upper-level course requirements, and the total number of credits needed for the degree.
- o Appropriate assignment of ACE Guide-recommended credit at the lower or upper level for military service schools and occupations, CLEP, DSST, and other tests, transfer credit for courses from other colleges and universities, certification programs, etc.
- o Appropriate assignment of SOC Course Category Codes from the SOC Handbook Transferability Tables. The SOC Degree Program Handbooks can be obtained from the SOC web site at: [www.soc.aascu.org](http://www.soc.aascu.org) should you wish to learn more about the course transfer guarantees among SOC network institutions.

**IMPORTANT NOTE:** When you are ready to seek admission into this degree program,

please contact the USCG Institute at 1-405-954-7241. Your advisor will send the college or university an official U.S. Coast Guard Institute transcript, a copy of the degree plan, and a ready-for-signature SOC Student Agreement which, when signed by a college official, becomes a contract for degree completion committing the college or university to supporting you in your academic endeavors.

Credit for all courses you have taken must be reflected on official transcripts sent directly to this college from the administrative offices of the colleges you previously attended. This degree plan is often used for information purposes by college counselors pending receipt of the official transcripts from the source colleges.

This degree plan is not intended to compete with your local college or university. Keep in mind, you are allowed to transfer in a significant amount of the degree requirements to this institution. As such, credit from local colleges, college level examination programs, or advanced military training may be applied to this degree. You may also complete the courses necessary from this college either in residence (on campus or possibly on a military base at a campus extension in the Education Center) or through distance delivery of the courses. If you have questions, please contact the college counselor or your advisor listed at the bottom of this Degree Plan.

#### DEGREE PLAN LEGEND:

SH = Semester hours  
VOC = Vocational, not relative to an academic degree  
LL = Lower Level, i.e. courses at the Freshman/Sophomore level  
UL = Upper Level, i.e. courses at the Junior/Senior level  
GL = Graduate Level (sometimes recommended by ACE for very complex courses)  
[#] such as [EN024A] or [EN024B] = SOC Course Category Codes\*  
{#} such as {DANTES Code = 01.02.03} = DANTES Academic Codes \*\*

\* SOC Course Category Codes: Service members Opportunity Colleges (SOC) is a consortium of over 1,600 accredited colleges and universities seeking to provide degree opportunities to the military. Over 170 of these institutions participate in network degree programs developed for the Army, Navy, Marine Corps, and Coast Guard. A SOC course category number beside a course from one of these institutions, such as [EN024A] or [EN024B] for English Composition, indicates that courses from other degree program institutions with the same code may be taken to satisfy the degree requirement. See the SOC Degree Programs Handbooks at <http://www.soc.aascu.org/>

\*\* DANTES Academic Codes: The Defense Activity for Non-Traditional Education Support (DANTES) publishes the DANTES Independent Study Catalog (DISC) annually, which lists more than 6,000 courses from dozens of regionally accredited colleges and universities. Because this is a degree from a SOC affiliated college, the academic residency requirements are limited, thereby allowing students to transfer in a significant portion of the degree, as mentioned above. If the course you desire to take is not offered by this institution when you want to take it, consider the opportunities the courses in the DISC present. For more information, visit [http://www.dantes.doded.mil/dantes\\_web/distancelearning/disc/front/cont.htm](http://www.dantes.doded.mil/dantes_web/distancelearning/disc/front/cont.htm) Keep in mind, you should always check with the counselor or academic advisor at this institution before enrolling in a course listed in the DISC to ensure it will be

accepted in transfer toward this degree.

#### Florida Community College at Jacksonville (FCCJ) General Information

Florida Community College at Jacksonville is one of the leading providers of distance learning to the military. Distance Learning (DL) is simply learning from a distance, usually from home, or from a conveniently located off-campus site. DL allows adults to earn college credits, even entire degrees, without ever leaving home. DL at Florida Community College at Jacksonville makes use of the Internet, software, modems, TV stations, 2-way television using fiber optics, and digital phone lines, satellites, videocassette and audio tape, and the ever-popular mailbox, to deliver instruction.

As technology continues to become more accessible and more affordable, distance learning changes and evolves. Learners now have the opportunity to take classes without the necessity to attend regular, weekly lectures on campus. Online courses from all academic departments are available via Internet access. World Wide Ready courses at FCCJ are 100 percent online while other online courses require time and place-bound testing or orientation sessions. The FCCJ Class Schedule offers in-depth detail about online courses and identifies those that are 100 percent online. The Distance Learner Handbook is a rich resource for inquiry about distance learning at FCCJ.

A SOC Contract for Degree Completion with this institution may be entered after enrolling in the first course through them.

Tuition per course:      \$66.40 per semester hour in-state, Tuition for Georgia residents \$127.55 per semester hour, and  
\$249.85 per semester hour out-of-state (subject to change)

#### Application fee:

U.S. citizens                      \$15.00 one time only

International students      \$80.00 one time only

This fee is a processing fee and is non-refundable.

To discuss your next step toward earning this degree with FCCJ, contact:

Chris Johnson

Advisor

FCCJ Open Campus

Military Education Institute

601 West State Street

Jacksonville FL 32202

Phone: 904-357-8890

Email: [military@fccj.edu](mailto:military@fccj.edu)

Lauren Webb

Advisor

FCCJ Open Campus

Military Education Institute

601 West State Street

Jacksonville FL 32202

**NAME:** ROADMAP'S DEGREE

**SSN:** 000-00-0000

Phone: 904-632-5084

Email: [military@fccj.edu](mailto:military@fccj.edu)

Visit the Military Education Institute web site: [www.fccj.edu/mei](http://www.fccj.edu/mei)

**POLICY NOTES:**

Transfer credit accepted by FCCJ may include up to 45 semester hours of non-traditional credit (American Council on Education recommended credit and college level testing - CLEP, DSST, Excelsior and FCCJ's Proficiency Examination Program (PEP) tests). Also, 25% of the degree must be earned via FCCJ (including distance learning courses).

Evaluation completed by: Charles Morrison

On: 31 July 2007